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Code : CSA0976
Course : Programming in java
Slot : A

ASSIGNMENT -1

1.

```
import java.util.*;
class squareroot
{
    public static void main(String[] args)
    {
        System.out.print("Enter a number: ");
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        System.out.println("The square root of "+ n+ " is:"+squareRoot(n));
    }
    public static int squareRoot(int num)
    {
        int t;
        int sqrtroot=num/2;
        do
        {
            t=sqrtroot;
            sqrtroot=(t+(num/t))/2;
        }
        while((t-sqrtroot)!= 0);
        return sqrtroot;
    }
}
```

OUTPUT:

Enter a number is :6
The square root of 6 is :3

2.

```
import java.io.*;
import java.util.*;
class palindrome
{
    public static void main(String arg[])
    {
        String s,b="";
        char d;
        Scanner c=new Scanner(System.in);
        System.out.print("Enter a Number :");
        s=c.nextLine();
        for(int i=0;i<s.length();i++)
        {
            d=s.charAt(i);
            b=d+b;
        }
        if(s.equals(b))
        {
            System.out.print("The given number is palindrome");
        }
        else
        {
            System.out.print("The given number is not palindrome");
        }
    }
}
```

OUTPUT:

Enter a number:121

The given number is palindrome

Enter a number:-121

The given number is not palindrome

Enter a number:12

The given number is palindrome